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## NOTICE OF ALLOWANCE AND FEE(S) DUE

55343

7590

06/25/2009

AT&T Legal Department - T&W  
Attn: Patent Docketing  
Room 2A-207  
One AT&T Way  
Bedminster, NJ 07921

EXAMINER

HUYN, CHUCK

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 06/25/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,744	07/07/2003	John A. Hicks III	02499/ATTWP292US	6181

TITLE OF INVENTION: SYSTEM AND METHOD FOR PROVIDING INTEGRATED VOICE AND DATA SERVICES UTILIZING WIRED  
CORDLESS ACCESS WITH UNLICENSED/UNREGULATED SPECTRUM AND WIRED ACCESS WITH LICENSED/REGULATED SPECTRUM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/25/2009

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.** THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.** SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

## HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER:** Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

# **PART B - FEE(S) TRANSMITTAL**

**Complete and send this form, together with applicable fee(s), to:** **Mail** **Mail Stop ISSUE FEE**  
**Commissioner for Patents**  
**P.O. Box 1450**  
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**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

55343 7590 06/25/2009  
 AT&T Legal Department - T&W  
 Attn: Patent Docketing  
 Room 2A-207  
 One AT&T Way  
 Bedminster, NJ 07921

## **Certificate of Mailing or Transmission**

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/614,744	07/07/2003	John A. Hicks III	02499/ATTWP292US	6181
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**TITLE OF INVENTION: SYSTEM AND METHOD FOR PROVIDING INTEGRATED VOICE AND DATA SERVICES UTILIZING WIRED CORDLESS ACCESS WITH UNLICENSED/UNREGULATED SPECTRUM AND WIRED ACCESS WITH LICENSED/REGULATED SPECTRUM**

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	09/25/2009

EXAMINER	ART UNIT	CLASS-SUBCLASS
HUYNH, CHUCK	2617	455-433000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a **Customer Number** is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_  
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_  
 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee  
☐ Publication Fee (No small entity discount permitted)  
☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.  
☐ Payment by credit card. Form PTO-2038 is attached.  
☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_  
 Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Room 2A-207

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EXAMINER

HUYNIL CHUCK

ART UNIT

PAPER NUMBER

2617

DATE MAILED: 06/25/2009

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

**Notice of Allowability****Application No.**

10/614,744

**Examiner**

CHUCK HUYNH

**Applicant(s)**

HICKS ET AL.

**Art Unit**

2617

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/6/2009.
2. ☒ The allowed claim(s) is/are 13 and 16-21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_.

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Deidra D. Ritcherson on 6/16/2009.

Applicant has agreed to cancel all pending claims except for claims 13, and 16-21.

The application has been amended as follows:

1-12. (Cancelled).

13. A method of providing voice and data services over a wired data network and over a second wireless network to a dual mode digital cordless handset, the method comprising:

detecting, at the dual mode digital cordless handset, a first wireless connection provided by a first wireless access point, wherein the first wireless access point is wired to the wired data network;

in response to detecting the first wireless connection, broadcasting a medium access control (MAC) address to the first wireless access point;

in response to broadcasting the MAC address, receiving an Internet Protocol (IP) address at the dual mode digital cordless handset;

receiving a request to transmit subscriber identity module (SIM) information using the received IP address;

providing, to the wired data network, using the received IP address, the SIM information from the dual mode digital cordless handset for determining whether a user identified by the SIM information is a valid user based on a look-up of the SIM information in a first home location register (HLR), the first HLR being configured to obtain from the SIM information, identification information for determining the voice and data services legitimately accessible by the user identified by the SIM information, the voice and data services being provided by, and a limitation on the voice and data services being defined and implemented by, a first application server, the limitation being based on the user identified by the SIM information;

in response to the first HLR determining that the user is a valid, the dual mode digital cordless handset receiving, through the wired data network, incoming calls or data services directed to the dual mode digital cordless handset, and transmitting outgoing calls or data services from the dual mode digital cordless handset, through the wired data network according to the voice and data services legitimately accessible by the user and the limitation on the voice and data services;

in response to the first HLR determining that the user is not valid, the dual mode digital cordless handset receiving an indication that communication to the dual mode digital cordless handset has ceased;

detecting, at the dual mode digital cordless handset, a loss of the first wireless connection;

detecting, at the dual mode digital cordless handset, a connection through the second wireless network;

in response to detecting the connection through the second wireless network, providing subscriber identity module (SIM) information from the dual mode digital cordless handset to a second HLR communicatively coupled to the second wireless network, the second HLR being configured to determine a user identified by the SIM information, the voice and services legitimately accessible by the user identified by the SIM information and a limitation on the voice and data services, the limitation being based on the user identified by the SIM information wherein the voice and data services legitimately accessible by the user identified by the SIM information are implemented by a second application server communicatively coupled to the second HLR;

in response to the second HLR determining that the user is a valid, receiving, through the wired data network, incoming calls or data services directed to the dual mode digital cordless handset, and transmitting outgoing calls or data services from the dual mode digital cordless handset, through the wired data network according to the voice and data services legitimately accessible by the user and the user-specific restriction on the voice and data services; and

in response to the second HLR determining that the user is not valid, the dual mode digital cordless handset receiving an indication that communication to the dual mode digital cordless handset has ceased.

14-15. (Cancelled)

16. (Currently Amended) The method of claim 13, wherein receiving the incoming calls directed to the dual mode digital cordless handset and transmitting the outgoing calls from the dual mode digital cordless handset through the wired data network comprises establishing a voice over Internet protocol (VoIP) session between the dual mode digital cordless handset and the wired data network through the first wireless access point.

17. (Currently Amended) The method of claim 13, wherein receiving the incoming calls directed to the dual mode digital cordless handset comprises:

communicating via a voice over Internet protocol (VoIP) session if a one of the incoming calls is directed to a telephone number associated with an IP address that matches the detected IP address.

18. (Currently Amended) The method of claim 13, wherein transmitting the outgoing calls from the dual mode digital cordless handset comprises:

establishing, at the wired data network, a voice over Internet protocol (VoIP) session with the wired data network to receive respective telephone numbers associated with the outgoing calls; and



initiating the outgoing calls to the received telephone numbers, completing the outgoing calls to parties associated with the telephone numbers.

19. (Currently Amended) The method of claim 13, wherein the first wireless connection comprises an IEEE 802 connection.

20. (Currently Amended) The method of claim 13, wherein the first wireless connection comprises a Bluetooth connection.

21. (Currently Amended) The method of claim 13, wherein the second wireless network comprises a GSM/GPRS connection.

22-56 (Cancelled).

***Allowable Subject Matter***

2. Claims 13, 16-21 are allowed.
3. The following is an examiner's statement of reasons for allowance:

Claims 13i s now allowable over the prior art references of Mohammed (US 6922559), McIntosh (US 2003/0139180), and Sashihara (US 2002/0157007), because these references neither singularly or in combination can fully encompass all the limitations of the claim language, specifically the limitations of:

in response to detecting the connection through the second wireless network, providing subscriber identity module (SIM) information from the dual mode digital cordless handset to a second HLR communicatively coupled to the second wireless network, the second HLR being configured to determine a user identified by the SIM information, the voice and services legitimately accessible by the user identified by the SIM information and a limitation on the voice and data services, the limitation being based on the user identified by the SIM information wherein the voice and data services legitimately accessible by the user identified by the SIM information are implemented by a second application server communicatively coupled to the second HLR;

in response to the second HLR determining that the user is a valid, receiving, through the wired data network, incoming calls or data services directed to the dual mode digital cordless handset, and transmitting outgoing calls or data services from the dual mode digital cordless handset, through the wired data network according to the voice and data services legitimately accessible by the user and the user-specific restriction on the voice and data services; and

in response to the second HLR determining that the user is not valid, the dual mode digital cordless handset receiving an indication that communication to the dual mode digital cordless handset has ceased,

**in combination** with the rest of the other limitations within the claim.

Claims 16-21 are allowed for their dependency on allowable claim 13 for the same reasons.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CHUCK HUYNH whose telephone number is (571)272-7866. The examiner can normally be reached on M-F 1pm-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Edouard can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Chuck Huynh/

Application/Control Number: 10/614,744

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Art Unit: 2617

Examiner, Art Unit 2617

/Patrick N. Edouard/

Supervisory Patent Examiner, Art Unit 2617